

AN APPARATUS FOR CONTROLLING AN AIR CONDITIONER

ABSTRACT

There is provided a controlling apparatus for an air conditioner, which comprises: an inverter circuit (9) for feeding as an output a pseudo-sine wave from a switching signal obtained by comparison between a modulated wave and a carrier wave; a refrigeration cycle device which has a compressor (5) driven by the pseudo-sine wave from the inverter circuit (9) so that the modulated wave is adjusted according to a load of an air conditioner; and a correction device (32) for correcting an amplitude of the modulated wave into a smaller one at a predetermined time when a rated voltage of the power source from the inverter circuit (9) is larger than a rated voltage by a first predetermined value, and correcting the modulated wave into a larger one at a predetermined time when a rated voltage of the power source from the inverter circuit (9) is smaller than the rated voltage by a second predetermined value.

Fig.3